

Title (en)

Exhaust gas turbocharger with adjusting drive

Title (de)

Abgasturbolader mit Verstellantrieb

Title (fr)

Turbocompresseur à gaz d'échappement avec commande de réglage

Publication

**EP 2792870 A1 20141022 (EN)**

Application

**EP 13164147 A 20130417**

Priority

EP 13164147 A 20130417

Abstract (en)

The invention relates to a pneumatic adjusting drive (16) for a wastegate valve (9) of a turbine (2) of an exhaust gas turbocharger (1) of an internal combustion engine having a housing (17), in which a separating element (18) separating a control pressure chamber (20) from a reference pressure chamber (21) is adjustably arranged, with a drive rod (28) for the drive coupling to the wastegate valve (9), which is connected to the separating element (18) in a fixed manner, and with a resetting spring device (29) arranged in the housing (17), which drives the separating element (18) with a preload force (30) in the direction of the control pressure chamber (20). A simplified handling is obtained with a force adjusting device (32) for changing the preload force (30) with the drive rod (28) not coupled to the wastegate valve (9).

IPC 8 full level

**F02C 6/12** (2006.01); **F02B 37/18** (2006.01)

CPC (source: EP)

**F02B 37/186** (2013.01); **F02C 6/12** (2013.01); **F05D 2220/40** (2013.01); **Y02T 10/12** (2013.01)

Citation (search report)

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- [XA] DE 102010018740 A1 20111103 - BOSCH MAHLE TURBO SYSTEMS GMBH [DE]
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Cited by

CN106014606A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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